Google Scholar BETA

routing space and path and obstacles | Search

The **"AND"** operator is unnecessary -- we include all search terms by default. [details]

**Scholar** All articles Recent articles Results **11 - 20** of about **6,160** for **routing space and path and obstacles**. (0.05 second

**All Results**

A Rao
V Lumelsky
D Couto
C Papadimitrio...
S Shenker

### On Bends and Distances of Paths Among Obstacles in Two-Layer Interconnection Model - group of 3 »
DT Lee, CD Yang, CK Wong - IEEE Transactions on Computers, 1994 - portal.acm.org
... layer distance (xy-distance) minimum-bend **path** in optimal ... e log e) time using O(e
log e) **space**. ... Optimal two-terminal &agr;-&bgr; wire **routing**, Integration, the ...
Cited by 12 - Related Articles - Web Search - BL Direct

### Loop-Free Hybrid Single-Path/Flooding Routing Algorithms with Guaranteed Delivery for Wireless ... - group of 8 »
I Stojmenovic, X Lin - IEEE Transactions on Parallel and Distributed Systems, 2001 - doi.ieeecs.org
... The single-**path** approach is also followed in [19 ... to identify the best GPS-based **routing**
protocols for ... nodes positioned in a three-dimensional **space** and **obstacles** ...
Cited by 74 - Related Articles - Web Search - BL Direct

### Pipe Routing= Path Planning (with Many Constraints)
D Zhu, JC Latombe - ieeexplore.ieee.org
... The algorithm computing time **path** L,, of IL5 consists of ... Approximate the free **space**
iii C as a coumservative ... ___ LE8 L Figure 1: Pipe **Routing** Examiple search ...
Cited by 8 - Related Articles - Web Search

### A Monte-Carlo algorithm for path planning with many degrees offreedom - group of 2 »
J Barraquand, JC Latombe - Robotics and Automation, 1990. Proceedings., 1990 IEEE ..., 1990 -
ieeexplore.ieee.org
... the traveling salesman problem and the placement/**routing** of VLSI ... is so cluttered
that the solution **path** has to ... close to the boundary of the free **space** (or in ...
Cited by 105 - Related Articles - Web Search

### Dynamic global path planning with uncertainty for mobile robots inmanufacturing
H Hu, M Brady - Robotics and Automation, IEEE Transactions on, 1997 - ieeexplore.ieee.org
... in such problems is to find the **route** between two ... **space**, and X is the state **space**
(or nodes in ... say described by W . For a predefined **path**, unexpected **obstacles** ...
Cited by 16 - Related Articles - Web Search - BL Direct

### Path finding for human motion in virtual environments - group of 3 »
S Bandi, D Thalmann - Computational Geometry: Theory and Applications, 2000 - Elsevier
... **obstacles**. A collision free **path** is computed by searching the regions of
configuration **space** free of configuration **space obstacles**. The ...
Cited by 15 - Related Articles - Web Search

### TWIGY-a topological algorithm based routing system - group of 2 »
MT Doreau, P Koziol - Proceedings of the 18th conference on Design automation, 1981 - portal.acm.org
... 3. Solution/Physical **Space** Relationship ... These are "conventional" **routing obstacles**. ...
The task of the Drawer is to find a **path** through the scratchpad maze ...
Cited by 8 - Related Articles - Web Search

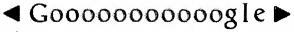### [PS] Rectilinear Paths Among Rectilinear Obstacles - group of 6 »

DT Lee, CD Yang, CK Wong - Discrete Applied Mathematics, 1996 - iis.sinica.edu.tw
... rst one nding a shortest **path** between two points on a **routing** plane with ... O ( m 2 )
**space** to represent an mm ... O ( l 2 ) for nding a **path** crossing l grid points. ...
Cited by 28 - Related Articles - View as HTML - Web Search - BL Direct

[PS] Rectilinear **Path** Problems among Rectilinear **Obstacles** Revisited - group of 7 »
CD Yang, DT Lee, CK Wong - SIAM J. Comput., 1995 - homepage.iis.sinica.edu.tw
... time and **space**. Key words. ... Both measures, the number of bends and the length of a
rectilinear **path**, are two important factors while **routing** between two ...
Cited by 20 - Related Articles - View as HTML - Web Search - BL Direct

Optimal buffered **routing path** constructions for single and multiple clock domain
systems - group of 10 »
S Hassoun, CJ Alpert, M Thiagarajan - Proceedings of the 2002 IEEE/ACM international conference on
..., 2002 - doi.ieeecomputersociety.org
... The Fast **Path** algorithm finds the minimum delay source-to-sink buffered **routing**
**path**, while considering both physical **obstacles** (eg, due to IP, memories, and ...
Cited by 20 - Related Articles - Web Search - BL Direct

# ◄ Gooooooooooogle ►

Result Page: **Previous** 1 **2** 3 4 5 6 7 8 9 1011     **Next**

routing space and path and obstacle | Search

Google Home - About Google - About Google Scholar

©2006 Google

Google

routing space and path and obstacles and cos | Search | Advanced Search
                                                        Preferences

The "AND" operator is unnecessary -- we include all search terms by default. [details]

**Web**      Results **1 - 10** of about **417,000** for <u>routing space</u> and <u>path</u> and <u>obstacles</u> and <u>cost</u> and <u>nodes</u>. (**0.32** seconds)

### Scholarly articles for **routing space and path and obstacles and cost and nodes**

<u>Distributed Path Planning for Robots in Dynamic ...</u> - O'Hara - Cited by 8
<u>Geographic routing without location information</u> - Rao - Cited by 140
<u>A global routing algorithm for general cells</u> - Clow - Cited by 19

### Gamasutra - Features - "Smart Moves: Intelligent Pathfinding" [08.97]
This heuristic search ranks each **node** by an estimate of the best **route** that goes ... Search
cutoffs can be included easily, to cover limits in **path cost,** ...
www.gamasutra.com/features/19970801/**path**finding.htm - 55k - <u>Cached</u> - <u>Similar pages</u>

### Gamasutra - Features - "Smart Moves: Intelligent **Path** Finding ...
Applying these algorithms to **path**-finding in geometric **space** requires a simple ... a **path's**
length or **cost** into account and updates the goodness of **nodes** if ...
.www.gamasutra.com/features/19990212/sm_03.htm - 30k - <u>Cached</u> - <u>Similar pages</u>

### [PDF] Distributed **path** planning for robots in dynamic environments using ...
File Format: PDF/Adobe Acrobat
The embedded **nodes** can be thought. of as accomplishing a type of passive **routing,**
because, al-. though they provide a **path cost**, the mobile robots make the ...
ieeexplore.ieee.org/iel5/9442/29991/01373785.pdf - <u>Similar pages</u>

### [PDF] A Global **Routing** Algorithm for General Cells
File Format: PDF/Adobe Acrobat
state-**space**. In the **routing** plane then, we have a. starting point, s, to be connected to a ...
**cost** of a **path** from 8 to a **node** n as (n). Notice that ...
ieeexplore.ieee.org/iel5/10570/33447/01585771.pdf?arnumber=1585771 - <u>Similar pages</u>
[ <u>More results from ieeexplore.ieee.org</u> ]

### [PDF] Curved Edge **Routing**
File Format: PDF/Adobe Acrobat
method is summarized in the algorithm routeEdges. algorithm routeEdges. Build the initial
**cost** function corresponding to **nodes**. for each **path** P. Route P ...
www.springerlink.com/index/ECH26VFF5LJD7GJ3.pdf - <u>Similar pages</u>

### [Paper] Optimal **Path** Planning using an Improved A* Algorithm for ...
The **nodes** are evaluated by combining g(n), the **cost** to reach the goal, ... In this work it
was possible to infer a safe **path** avoiding the **obstacles** ...
www.actapress.com/PDFViewer.aspx?paperId=23162 - <u>Similar pages</u>

### [PPT] www.cs.utk.edu/~parker/Courses/CS594-fall04/Lectur...
File Format: Microsoft Powerpoint - <u>View as HTML</u>
Finding **path** between initial **node** and goal **node** can be done using graph search ...
Converts world **space** to a configuration **space**; Use **obstacle** growing to ...
<u>Similar pages</u>

### [PDF] A Minimum **Cost Path** Search Algorithm Through Tile **Obstacles**

File Format: PDF/Adobe Acrobat
Shortest **path** search, VLSI **routing**. 1. INTRODUCTION. In this paper, we look at the

·problem of minimum **cost path**. searching through rectilinear **obstacles**. ...
portal.acm.org/ft_gateway.cfm?id=369771&
type=pdf&coll=&dl=ACM&CFID=15151515&CFTOKEN=6... - Similar pages

[PDF] Wireless Mesh Networks for Residential Broadband
File Format: PDF/Adobe Acrobat
6 Mbps over direct **path**; 9 Mbps over two-hop **path**! ·. Multihop benefit even greater in non-
free-**space** environments. and/or when **routing** around **obstacles ...**
www.iec.org/events/2002/natlwireless_nov/featured/tf2_beyer.pdf - Similar pages

[PPT] Path Planning Part 1
File Format: Microsoft Powerpoint - View as HTML
Place waypoints at every convex corner of the **obstacles ...** Now we are expanding **nodes**
according to best estimated total **path cost**. Is it optimal? **...**
www.cs.wisc.edu/graphics/Courses/679-f2003/lectures/cs679-19.ppt - Similar pages

Result Page:     **1** 2 3 4 5 6 7 8 9 10     **Next**

Try Google Desktop: search your computer as easily as you search the web.

routing space and path and obstacle  Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google

©2006 Google

Google

Web    Images    Video    News    Maps    **more »**

| and obstacles "routing space " filetype:pdf | Search | **Advanced Search**
**Preferences**

The **"AND"** operator is unnecessary -- we include all search terms by default. [details]

***

## Web

Results **1 - 10** of about **133** for **and obstacles "routing space " filetype:pdf**. (0.23 seconds)

[PDF] Topological Autorouting™ - Mapping the changing space
File Format: PDF/Adobe Acrobat
technique defines the space between **obstacles** on the board as a series of rectangles. ...
from the **routing space** the topological router is able to map more ...
www.altium.com/files/learningguides/WP0101%20Topological%20Autorouting.pdf -
Similar pages

> [PDF] Topological Autorouting™
> File Format: PDF/Adobe Acrobat
> to the **routing space**; the potential path simply weaves its way between each pair of
> **obstacles**, as. shown in Figure 3. The topological map removes the ...
> www.altium.com/files/learningguides/dxp/wp_situs.pdf - Similar pages

[PDF] Application of an EACS algorithm to **obstacle** detour routing in ...
File Format: PDF/Adobe Acrobat
**obstacles** distributed in a rectangular chip area to be routed ... **routing space** can be
defined hy an undirected graph G=(o", ...
ieeexplore.ieee.org/iel5/8907/28158/01259742.pdf - Similar pages

> [PDF] Neural global router - Neural Networks, 2000. IJCNN 2000 ...
> File Format: PDF/Adobe Acrobat
> 'Where, channel is the horizontal **routing space**,between two rows of **obstacles** and
> feedthrough is the vertical **routing space** between two. **obstacles**. ...
> ieeexplore.ieee.org/iel5/6927/18647/00859447.pdf - Similar pages
> [ More results from ieeexplore.ieee.org ]

[PDF] Design Rules Driven Shape Based Gridless Routing Easy-Router ...
File Format: PDF/Adobe Acrobat - View as HTML
of **obstacles** within the design can be identified and avoided dur- ... mate shapes which
wastes valuable **routing space** and potential. routing area. ...
www.numberone.com/downloads/datasheets/Easy-Router.pdf - Similar pages

[PDF] The Oct-Touched Tile: A New Architecture for Shape-Based Routing
File Format: PDF/Adobe Acrobat
the segments of routed wires are regarded as **obstacles** for. the rest of nets. ... If the
**routing space** is multi-layer, we assign vias. on tiles. ...
ietfec.oxfordjournals.org/cgi/reprint/E89-A/2/448.pdf - Similar pages

[PDF] Magic Tutorial #7: Netlists and Routing
File Format: PDF/Adobe Acrobat - View as HTML
Unless you have extra **routing space** in your chip, you may have to make slight re- ... The
router tends to have special difficulties with **obstacles** running ...
web.mit.edu/magic-vlsi_v7.4/pdfdoc/tut7.pdf - Similar pages

[PDF] A Depth-First-Search Controlled Gridless Incremental Routing ...
File Format: PDF/Adobe Acrobat - View as HTML
ing in the available **routing space** without disturbing existing net ... **obstacles** and existing
nets in the routing region, and then a search ...
www.iccd-conference.org/proceedings/2004/22310086.pdf - Similar pages

[PDF] An Implicit Connection Graph Maze Routing Algorithm for ECO Routing
File Format: PDF/Adobe Acrobat - View as HTML
**routing space**. This can be done using either the point-based. or the tile-based approach.
... gular **obstacles** in the routing region according to wire/via ...
cadlab.cs.ucla.edu/~cong/papers/iccad99_ecoroute.pdf - Similar pages

[PDF] Improved Global Routing by Amplified Congestion Estimation
File Format: PDF/Adobe Acrobat - View as HTML
resented by edges; as there is finite **routing space** on the borders, ... with **obstacles**; as
our benchmarks do not contain **obstacles**, this ...
cs.nyu.edu/~raia/docs/global_routing.pdf - Similar pages

Result Page:    **1** 2 3 4 5 6 7 8 9 10    **Next**

Try Google Desktop: search your computer as easily as you search the web.

---

| and obstacles "routing space " filety | Search |

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

---

Google Home - Advertising Programs - Business Solutions - About Google

©2006 Google